

REVISION HISTORY						
DATE	REV	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED	
9/20/17	D	SHT. 4 SECTION C-C MATCH DRILL WAS 4 PLCS, SECTION F-F ADDED F.S. LOCATION AND DISTANCE FROM CL; BOM ITEM #34 TYP WAS IN.	EW	LS	JT	
9/22/17	E	SHT. 2 ADDED TORQUE VALUE AND NOTES TO SECTION D-D; SHT 4 SECTION C-C MATCH DRILL WAS 8 PLCS, SECT F-F REMOVED CL AND F.S. LOCATION, BOM ITEM #20 WAS CR3523-4-1.	PM	LS	JT	
2/23/18	F	BOM ITEM 1 SWAPPED ALT. AND PRIMARY PN'S, ITEM 18 WAS AN6H5A, ITEM 19 WAS AN6H7A.	EW	LS	JT	
6/29/18	G	SHT 1, TITLE CHANGED WAS "-1 INSTALLATION" NOW "-3 INSTALLATION SHOWN, ADDED NOTE 15; SHT 2 ADDED NOTE 15, MADE IEMS 23 AND 1 REFERENCE; SHT 5 ADDED REFERENCE TO ITEM 22, CHANGED NOTE WORDING; BOM ITEM 38 WAS NAS1305-9, NOW NAS6605-9 WITH OLD ITEM AS ALTERNATE, 505AC-330-3 BOM ADDED	ZA	LS	EW	
10/10/19	H	SHT1: ADDED HOLE SIZE TO NOTE 15; ITEMS 3,4,5,6,7,8,21 GIVEN 505AC-3200 PART NUMBERS TO REDUCE OVERLAP WITH 206AC INSTALLATION, OLD NUMBERS ADDED AS ALTERNATES WERE 206AC-3005-2, 206AC-3010-3, 206AC-3525-5, 206AC-3525-6, 206AC-3527-1, 206AC-3610-1, ES10600-1 RESPECTIVELY	ZA	LS	ZA	
1/7/21	J	SHT 1 NOTE 7: ADDED SHANK & THREAD TO CPC GRADE 1 INSTRUCTIONS	ZA	DT	MH	

NOTES:


- TOUCH-UP FINISH PER BHT-ALL-SPM CHAPTER 4.
 - TORQUE FASTENERS PER BHT-ALL-SPM CHAPTER 2.
 - WET INSTALL FASTENERS, COAT FAYING SURFACE OF Z CHANNELS, ATTACHING HARDWARE AND/OR ENGINE PAN WITH ADHESIVE SEALANT, AMS 3374 TYPE 1, AMS 3276 or MIL-S-38249. ALL SURFACES TO BE CLEANED IN ACCORDANCE WITH BTH-ALL-SPM.
 - APPLY ANTI-SEIZE PER MIL-PRF-83483 TO BOLT THREADS.
 - APPLY TORQUE SEAL OR EQUIVALENT SLIP INDICATOR TO FASTENERS.
 - INSTALL SAFETY WIRE (& POLY TUBE) PER BHT-ALL-SPM 8-27 THRU 8-29.
 - PER BHT-SPM-ALL CHAPTERS 3 THRU 5, APPLY CPC PER MIL-PRF-16173 GRADE 2 ON THE SHANK AND GRADE 1 ON THE BOLT HEAD, THREAD, AND NUT AFTER FINAL TORQUE.
 - REFER TO APPLICABLE BELL 505 MAINTENANCE MANUAL FOR CONICAL WASHER INSTALLATION.
 - ASSURE TAIL ROTOR DRIVESHAFT, FORWARD OIL COOLER SHAFT BEARING HOUSING, AND COMPRESSOR INSTALLATIONS ARE COMPLETE BEFORE ADJUSTING BELT TENSION.
 - WITH BELT TENSIONER BOLT ADJUSTED TO MAXIMUM LENGTH, TEMPORARILY INSTALL THE COMPRESSOR ASSEMBLY IN THE MOUNT BRACKET USING INDICATED HARDWARE. PLACE DRIVE BELT OVER COMPRESSOR PULLEY BEFORE INSTALLING THE COMPRESSOR TO THE MOUNT BRACKET.
 - TIGHTEN THE DRIVE BELT TO 35 POUNDS TENSION BY ADJUSTING THE TENSIONER. A "KRIKIT" BELT TENSION GAUGE (GATES P/N 91107) OR EQUIVALENT TOOL IS USEFUL TO ACCURATELY SET BELT TENSION.
- WARNING: DO NOT OVER-TIGHTEN THE BELT.**
- USE SHIMS AS NEEDED FOR ALIGNMENT OF BELT WITH PULLEY AND COMPRESSOR.
 - ATTACH GROUND LUG AT SHOWN LOCATION ON COMPRESSOR CHASSIS.
 - REMOVE ONE BEVELED RADIUS WASHER.
 - TRIM SLS-208-052-003 LH ANGLE AS NECESSARY FOR COMPRESSOR PULLEY CLEARANCE.
 - APPLY ANTI-SEIZE COMPOUND TO DRIVESHAFT SPLINES AS REQUIRED PER BELL HELICOPTER 505 MAINTENANCE MANUAL.
 - PART OF BASE AIRCRAFT INSTALL S/N 65170 AND SUBSEQUENT, DRILL 2X Ø0.098" IF UNAVAILABLE

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PROTO

Paravion® Inc. Technology		TITLE COMPRESSOR INSTALLATION			DRAWING NUMBER 505AC-330		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
.X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES=± 1°		JT	LS	JT	6/16/16	J	
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A		DO NOT SCALE DRAWING				SHEET 1 OF 5	
3RD ANGLE PROJECTION		© 2021 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.					



<div>✓<div>Paravion[®]</div><div>Technology</div></div> Inc.	TITLE COMPRESSOR INSTALLATION				DRAWING NUMBER 505AC-330	
	DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .06 .XXX = ± .010 ANGLES=± 1°					
	DRAWN BY JT	CHK'D BY LS	APRVD. BY JT	DATE 6/16/16	REV J	ECO
				DO NOT SCALE DRAWING		SHEET
	3RD ANGLE PROJECTION			© 2021 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY, INC		2 OF 5
TO	THREDS: INTERNAL CLASS 2B EXTERNAL CLASS 2A					



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SECTION B-B

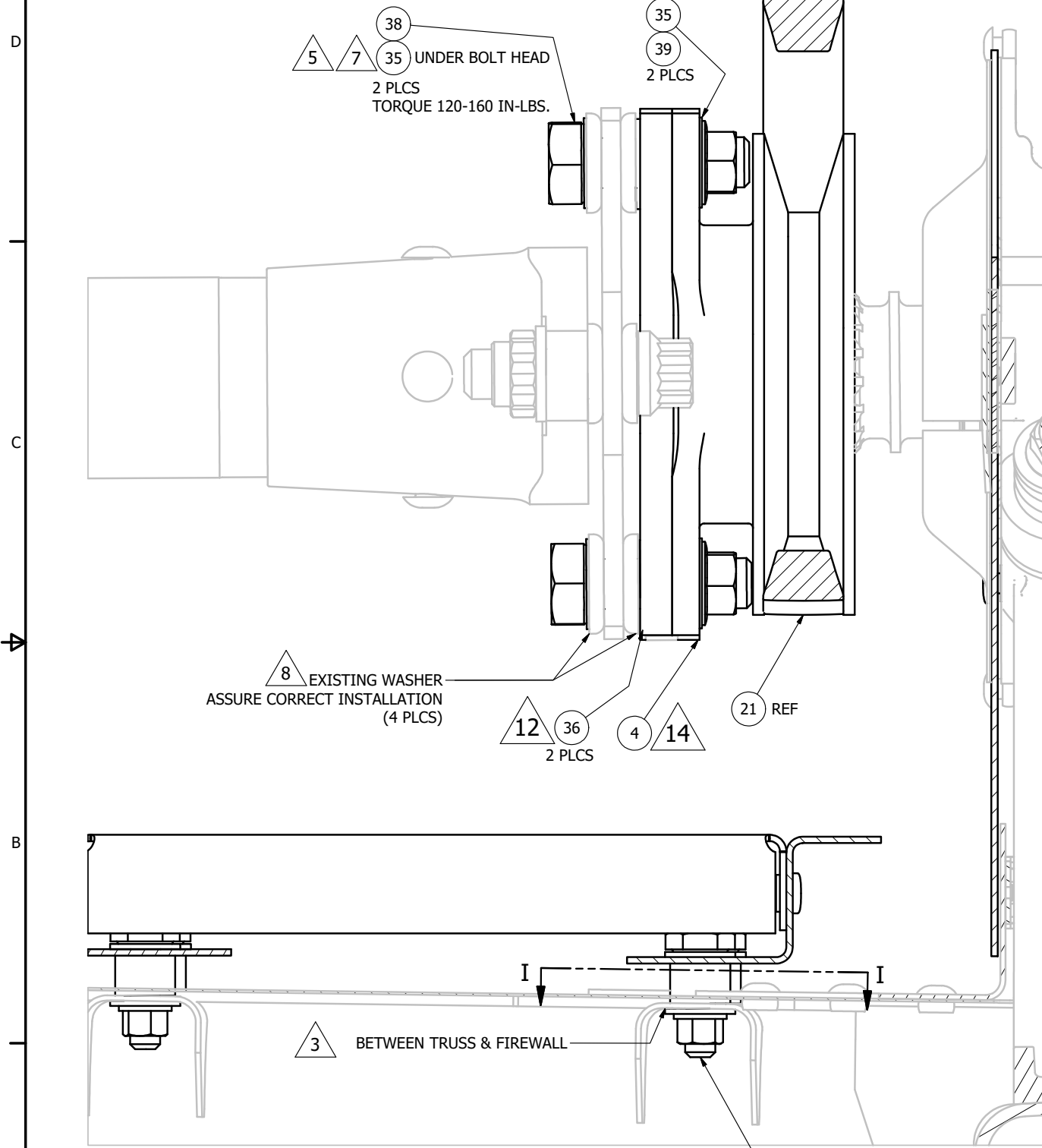
SECTION E-E

<div> <div>  <div> <div>Paravion[®]</div> <div>Technology Inc.</div> </div> </div> </div>	<div> <div>TITLE</div> <div>COMPRESSOR INSTALLATION</div> </div>				<div> <div>DRAWING NUMBER</div> <div>505AC-330</div> </div>			
	<div> <div>DIMENSIONS IN INCHES</div> <div>TOLERANCES EXCEPT WHERE NOTED:</div> <div>.X = ±.1</div> <div>.XX = ±.05</div> <div>.XXX= ±.010</div> <div>ANGLES=± 1°</div> </div>		<div> <div>DRAWN BY</div> <div>JT</div> </div>	<div> <div>CHK'D BY</div> <div>LS</div> </div>	<div> <div>APRVD. BY</div> <div>JT</div> </div>	<div> <div>DATE</div> <div>6/16/16</div> </div>	<div> <div>REV</div> <div>J</div> </div>	<div> <div>ECO</div> </div>
	<div> <div>THREADS:</div> <div>INTERNAL: CLASS 2B</div> <div>EXTERNAL: CLASS 2A</div> </div>		<div>  </div>		<div> <div>DO NOT SCALE DRAWING</div> <div>© 2021 PARAVION TECH. INC.</div> <div>PARAVION IS A TRADEMARK OF</div> <div>PARAVION TECHNOLOGY INC.</div> </div>		<div> <div>SHEET</div> <div>3 OF 5</div> </div>	
			<div> <div>3RD ANGLE PROJECTION</div> </div>					

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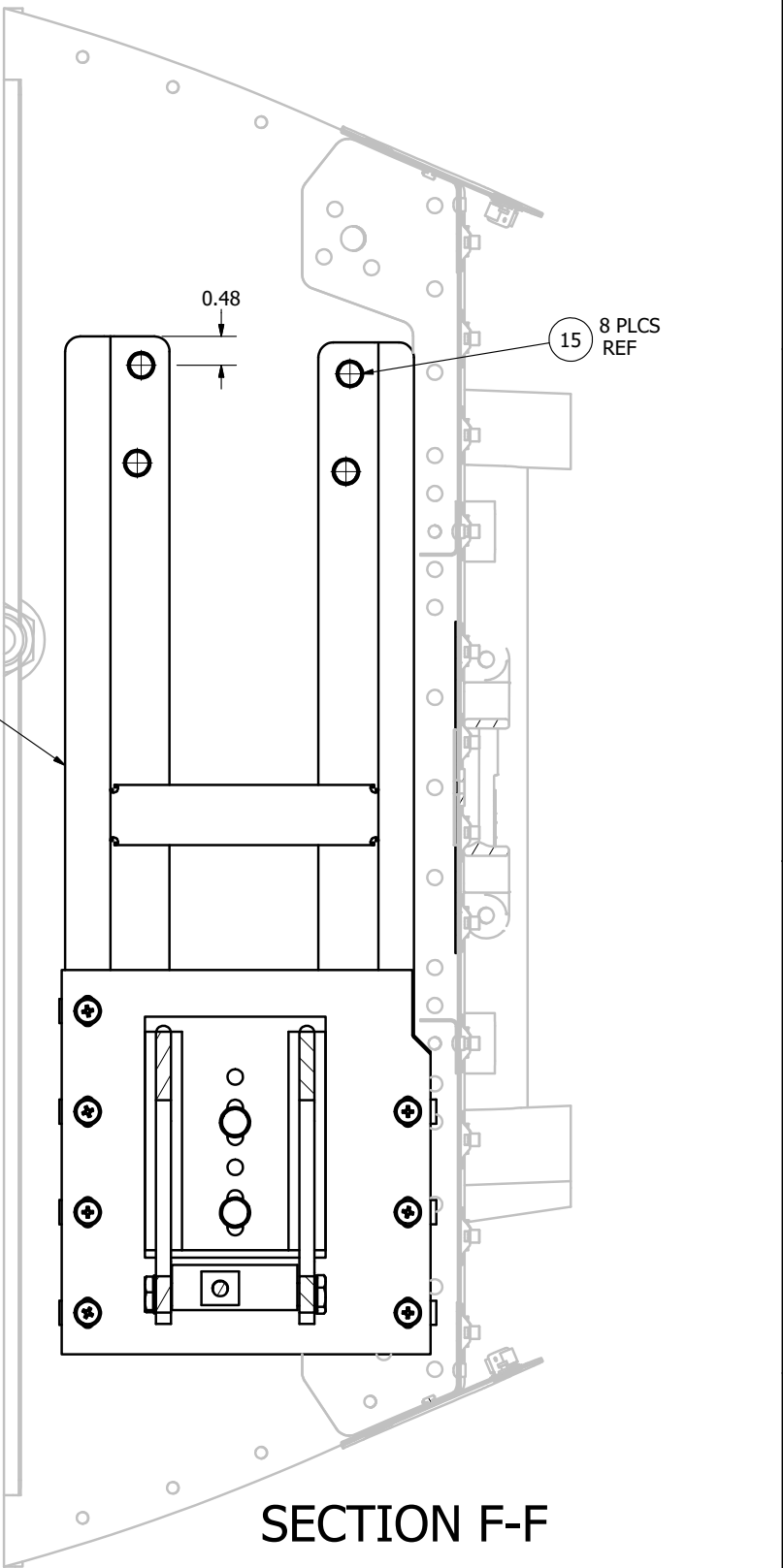
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
SECTION C-C

MATCH DRILL (12) WITH FRAME HOLES Ø0.193/0.198 4 PLCS.
TORQUE TO 20-25 IN-LBS.
COMPLETE DRAIN PAN MODIFICATION PER VIEW I-I.
ADJUST BOLT LENGTH PER BHT-SPM-ALL CHAPTER 2
PARAGRAPH 2-7c IF NECESSARY.

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SECTION F-F

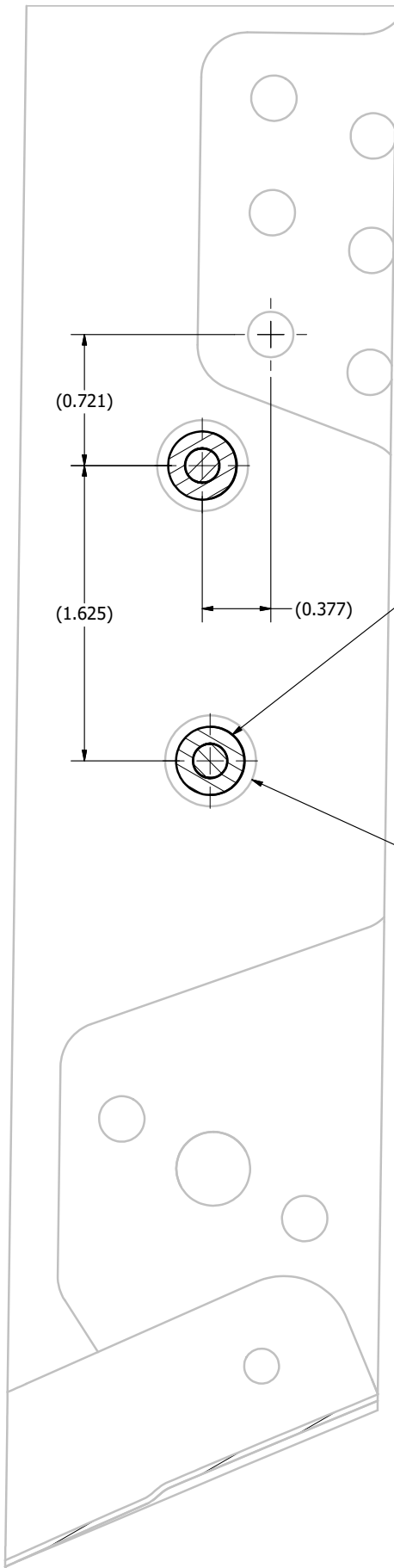
<div>Paravion® Technology</div> <div>INC.</div>	TITLE COMPRESSOR INSTALLATION				DRAWING NUMBER 505AC-330	
					REV	ECO
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX= ±.010 ANGLES=± 1°						
DRAWN BY JT		CHK'D BY LS	APR'D BY JT	DATE 6/16/16		
		DO NOT SCALE DRAWING			SHEET	
3RD ANGLE PROJECTION		© 2021 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.			4 OF 5	
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A						

D

C

B

A



(0.721)

(1.625)

(0.377)

(22) REF

PART OF BASE AIRCRAFT, IF UNAVAILABLE
MATCH DRILL ENGINE PAN TO FRAME HOLES.
8X DRILL Ø0.50 THRU ENGINE PAN ONLY

SECTION I-I

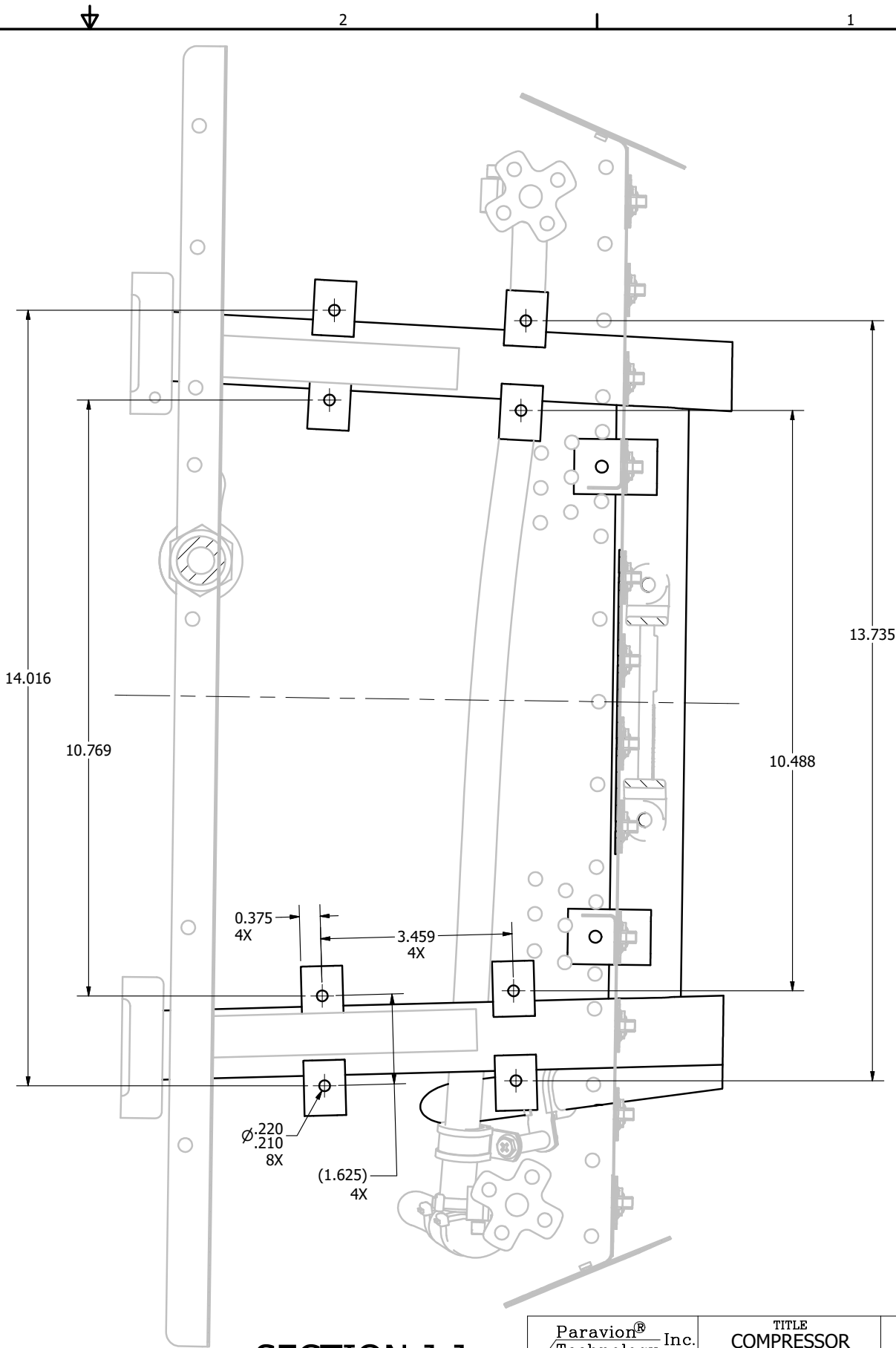
4

3

4

2

1



14.016

10.769

13.735

10.488

0.375
4X

3.459
4X

Ø.220
.210
8X

(1.625)
4X

SECTION J-J

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PROTO

Paravion® Inc.
Technology
DIMENSIONS IN INCHES
TOLERANCES EXCEPT
WHERE NOTED:
.X = ±.1
.XX = ±.05
.XXX = ±.010
ANGLES = ± 1°
THREADS:
INTERNAL: CLASS 2B
EXTERNAL: CLASS 2A



3RD ANGLE
PROJECTION

TITLE
COMPRESSOR
INSTALLATION

DRAWING NUMBER
505AC-330

DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
JT	LS	JT	6/16/16	J	
DO NOT SCALE DRAWING				SHEET	
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Bill of Materials

*505AC-330-1, REV. J

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-330-1, REV. J	COMPRESSOR INSTALLATION	1	KIT
1	5300015-6	STANDOFF (ALT: 120-273-3-6)	1	EA
2	13100032	CLIP NUT	7	EA
3	505AC-3200-45	SPACER PLATE (ALT: 206AC-3005-2)	1	EA
4	505AC-3200-31	PULLEY ASSY (ALT: 206AC-3010-3)	1	EA
5	505AC-3200-43	RESTRAINT (ALT: 206AC-3525-5)	1	EA
6	505AC-3200-44	RESTRAINT (ALT: 206AC-3525-6)	1	EA
7	505AC-3200-42	SPACER (ALT: 206AC-3527-1)	1	EA
8	505AC-3200-46	PLACARD (ALT: 206AC-3610-1)	1	EA
9	505AC-3200-9	DOUBLER	1	EA
10	505AC-3200-103	COMPRESSOR ASSY	1	EA
11	505AC-3200-20	PLATE ASSEMBLY	1	EA
12	505AC-3200-21	Z CHANNEL ASSY	1	EA
13	505AC-3200-26	SPACER PLATE	1	EA
14	505AC-3200-27	BOLT	1	EA
15	AN3C5A	BOLT	8	EA
16	AN6-11A	BOLT	1	EA
17	AN6-16A	BOLT	1	EA
18	AN6H-5A	BOLT	2	EA
19	AN6H-7A	BOLT	2	EA
20	CR3523-4-01	RIVET (ALT: CR3553-4-01)	2	EA
21	505AC-3200-47	V BELT (ALT: ES10600-1)	1	EA
22	ES39800-1	SPACER	8	EA
23	MS20470T3-4	RIVET	2	EA
24	MS20995C32	SAFETY WIRE (ALT: AS100028)(REF)	4	EA
25	NAS9926-3L	NUT	8	EA

Bill of Materials

*505AC-330-1, REV. J

ITEM #	P/N	DESCRIPTION	QTY	TYP
26	NAS9926-4L	NUT	1	EA
27	NAS9926-6L	NUT	2	EA
29	MS27039-1-12	SCREW	7	EA
31	MS35489-1X	GROMMET	1	EA
33	NAS1149C0332R	WASHER	16	EA
34	NAS1149F0463P	WASHER	1	EA
35	NAS1149F0516P	WASHER	4	EA
36	NAS1149F0532P	WASHER	2	EA
37	NAS1149F0632P	WASHER	8	EA
38	NAS6605-9	BOLT (ALT: NAS1305-9)	2	EA
39	90-132L5	NUT	2	EA
40	TIUB01C-33	POLY TUBE	8	IN
41	NAS1149F0332P	WASHER	7	EA

Bill of Materials

*505AC-330-3, REV. J

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-330-3, REV. J	COMPRESSOR INSTALLATION	1	KIT
1	5300015-6	STANDOFF (ALT: 120-273-3-6) (REF)	1	EA
2	13100032	CLIP NUT	7	EA
3	505AC-3200-45	SPACER PLATE (ALT: 206AC-3005-2)	1	EA
4	505AC-3200-31	PULLEY ASSY (ALT: 206AC-3010-3)	1	EA
5	505AC-3200-43	RESTRAINT (ALT: 206AC-3525-5)	1	EA
6	505AC-3200-44	RESTRAINT (ALT: 206AC-3525-6)	1	EA
7	505AC-3200-42	SPACER (ALT: 206AC-3527-1)	1	EA
8	505AC-3200-46	PLACARD (ALT: 206AC-3610-1)	1	EA
9	505AC-3200-9	DOUBLER	1	EA
10	505AC-3200-103	COMPRESSOR ASSY	1	EA
11	505AC-3200-20	PLATE ASSEMBLY	1	EA
12	505AC-3200-21	Z CHANNEL ASSY	1	EA
13	505AC-3200-26	SPACER PLATE	1	EA
14	505AC-3200-27	BOLT	1	EA
15	AN3C5A	BOLT	8	EA
16	AN6-11A	BOLT	1	EA
17	AN6-16A	BOLT	1	EA
18	AN6H-5A	BOLT	2	EA
19	AN6H-7A	BOLT	2	EA
20	CR3523-4-01	RIVET (ALT: CR3553-4-01)	2	EA
21	505AC-3200-47	V BELT (ALT: ES10600-1)	1	EA
22	ES39800-1	SPACER	8	EA
23	MS20470T3-4	RIVET (REF)	2	EA
24	MS20995C32	SAFETY WIRE (ALT: AS100028) (REF)	4	EA
25	NAS9926-3L	NUT	8	EA

Bill of Materials

*505AC-330-3, REV. J

ITEM #	P/N	DESCRIPTION	QTY	TYP
26	NAS9926-4L	NUT	1	EA
27	NAS9926-6L	NUT	2	EA
29	MS27039-1-12	SCREW	7	EA
31	MS35489-1X	GROMMET	1	EA
33	NAS1149C0332R	WASHER	16	EA
34	NAS1149F0463P	WASHER	1	EA
35	NAS1149F0516P	WASHER	4	EA
36	NAS1149F0532P	WASHER	2	EA
37	NAS1149F0632P	WASHER	8	EA
38	NAS6605-9	BOLT (ALT: NAS1305-9)	2	EA
39	90-132L5	NUT	2	EA
40	TIUB01C-33	POLY TUBE	8	IN
41	NAS1149F0332P	WASHER	7	EA